

# **Instruction Manual Book**

# PITFIRE



# **SPECIFICATION**

- 54.75 in. ☐ Wingspan: 1,390mm
- 1,220 mm 48 in. □ Length:
- 5.28 lbs. □ Weight: 2.4 kg

# Parts Listing required (not included):

- ☐ Glow Engine: 40-46 cu.in. 2 stroke; 52 cu.in. 4 stroke.
- ☐ Electric Motor: AXI 2826/10.
- ☐ Battery: 4-5S-LiPo-14.8-18.5v-5,000 mAh-20<sup>C</sup>.
- ☐ Speed Control: 60A.
- ☐ Propeller: 13 x 6.
- ☐ Recommended R.C: 4 channels with 4-5 servos.

#### SPITFIRE 40.

This instruction manual is designed to help you build a great flying aeroplane. Please read this manual thoroughly before starting assembly of your SPITFIRE 40. Use the parts listing below to identify all parts.

#### WARNING.

Please be aware that this aeroplane is not a toy and if assembled or used incorrectly it is capable of causing injury to people or property. WHEN YOU FLY THIS AEROPLANE YOU ASSUME ALL RISK & RESPONSIBILITY.

If you are inexperienced with basic R/C flight we strongly recommend you contact your R/C supplier and join your local R/C Model Flying Club. R/C Model Flying Clubs offer a variety of training procedures designed to help the new pilot on his way to successful R/C flight. They will also be able to advise on any insurance and safety regulations that may apply.

TOO	LS & SUPPLIES NEEDED.  Thick cyanoacrylate glue.	Some
	30 minute epoxy. 5 minute epoxy.	HARD
	Hand or electric drill. Assorted drill bits. Modelling knife. Straight edge ruler. 2mm ball driver. Phillips head screwdriver. 220 grit sandpaper. 90° square or builder's triangle. Wire cutters. Masking tape & T-pins. Thread-lock. Paper towels.	To avoi unwrap asseml towel of aircraft of jars of
PAR	TS LISTING.	
		Please the co
FUS	ELAGE ASSEMBLY (1) Fuselage.	aligned proper
WING ASSEMBLY		made f unique be mad
	(1) Right wing half with pre-installed aileron.	superio The pa
	(1) Left wing half with pre-installed aileron.	are fue of mai followir
Tail section assembly		C/A glu these of colors of
	(1) Vertical stabilizer with pre- installed rudder.	COIOIS
	(1) Horizontal stabilizer with pre- installed elevator halves.	

more parts.

**WARE PACK** 

LING.

ng gear.....

## SUGGESTION.

id scratching your new airplane, do not the pieces until they are needed for bly. Cover your workbench with an old or brown paper, both to protect the and to protect the table. Keep a couple or bowls handy to hold the small parts ou open the bag.

#### NOTE.

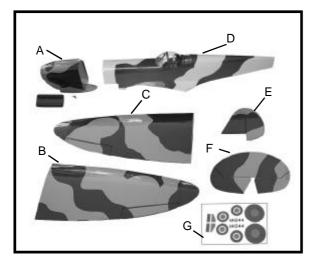
trial fit all the parts. Make sure you have rrect parts and that they fit and are properly before gluing! This will assure assembly. SPITFIRE 40 ARF is hand rom natural materials, every plane is and minor adjustments may have to de. However, you should find the fit or and assembly simple.

inted and plastic parts used in this kit el proof. However, they are not tolerant ny harsh chemicals including the ng: paint thinner, C/A glue accelerator, ue debonder and acetone. Do not let chemicals come in contact with the on the covering and the plastic parts.

# **SAFETY PRECAUTION.**

- + This is not a toy
- + Be sure that no other flyers are using your radio frequency.
- + Do not smoke near fuel
- + Store fuel in a cool, dry place, away from children and pets.
- + Wear safety glasses.
- +The glow plug clip must be securely attached to the glow plug.
- + Do not flip the propeller with your fingers.
- + Keep loose clothing and wires away from the propeller.
- + Do not start the engine if people are near. Do not stand in line with the side of the propeller.
- + Make engine adjustments from behind the propeller only. Do not reach around the spinning propeller.

#### REPLACEMENT LARGE PARTS



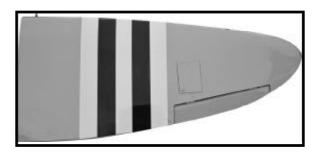
- A. Cowling.
- B. Right wing panel.
- C. Left wing panel.
- D. Fuselage.
- E. Horizontal stabilizer.
- F. Vertical stabilizer.
- G. Decal sheet.

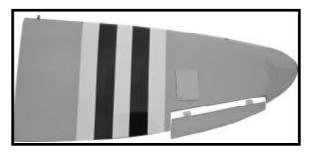
# REPLACEMENT SMALL PARTS

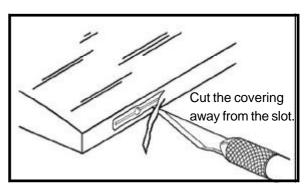


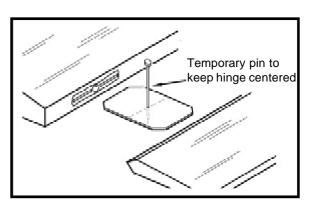
# **INSTALLING THE AILERON SERVOS.**

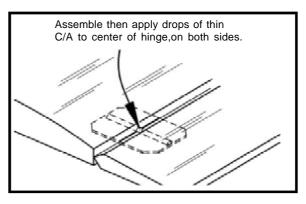
☐ 1) Install the rubber grommets and brass eyelets onto the aileron servo.

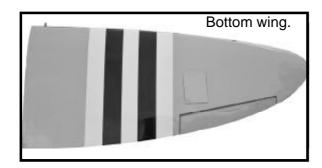


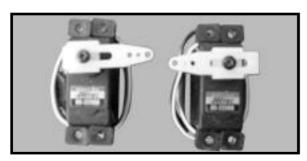




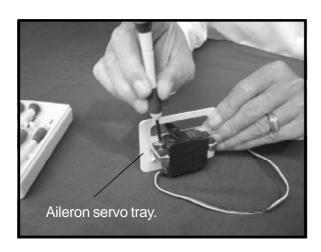




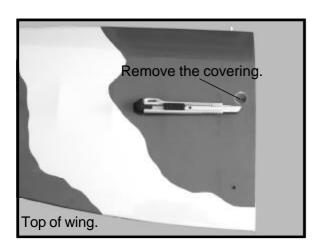




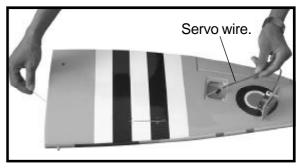
☐ 2) Drill 1,5mm pilot holes through the block of wood for each of the four mounting screws provided with the servo. Install servo into aileron servo tray as same as picture below:



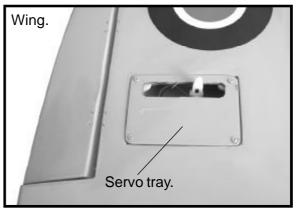
☐ 3) Using a modeling knife, remove the covering at possition show below.



☐ 4) Using the thread as a guide and using masking tape, tape the servo lead to the end of the thread: carefully pull the thread out. When you have pulled the servo lead out, remove the masking tape and the servo lead from the thread.

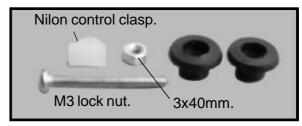


☐ 5) Install servo tray with aileron servo into the wing as same as picture below.



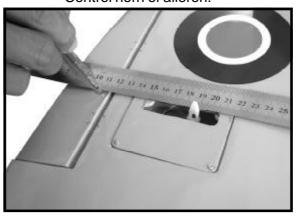
Repeat the procedure for the other wing half.

# INSTALLING THE AILERON CONTROL HORN.

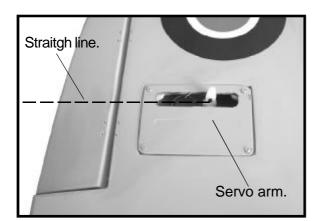


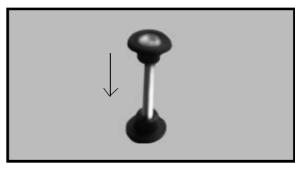
☐ 1) Using a ruler & pen to draw a straight line as below picture.

Control horn of aileron.

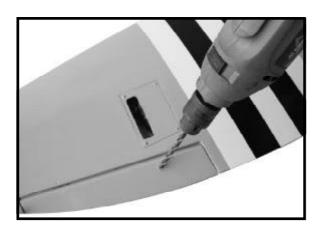


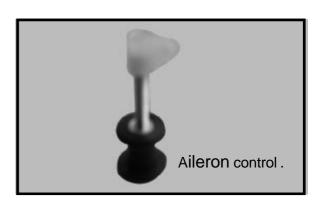
 $\ \square$  2. Drill through 6mm (diameter) the aileron using the control horn as a guide and screw the control horn in place.



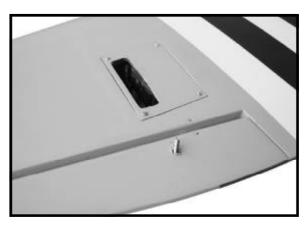






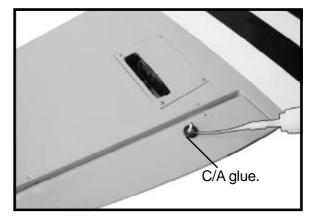


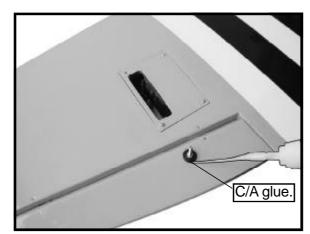




 $\hfill \square$  . 3 Install aileron control horn as same as picture below.



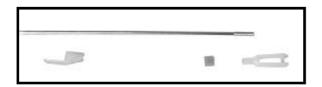




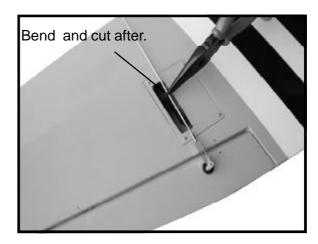


Repeat the procedure for the other wing half.

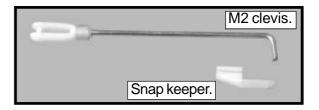
# INSTALLING THE AILERON LINKAGES.

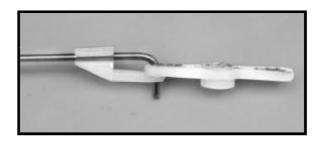


- ☐ 1. Working with the aileron linkage for now, thread one clevis onto one of the threaded wires.
- ☐ 3. Plug the aileron servo into the receiver and center the servo. Install the servo arm onto the servo. The servo arm should be perpendicular to the servo and point toward the middle of the wing.
- ☐ 4. Locate one nylon servo arm, and using wire cutters,remove all but one of the arms. Using a 2mm drill bit, enlarge the third hole out from the center of the arm to accommodate the aileron pushrod wire.

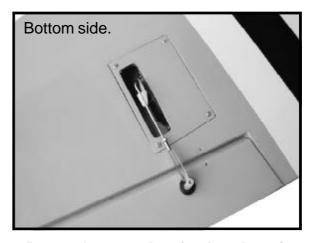


☐ 5. Using pliers, carefully make a 90 degree bend down at the mark made. Cut off the excess wire, leaving about 4mm beyond the bend.





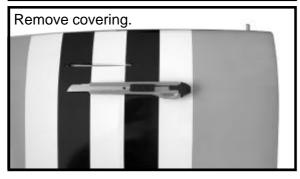
☐ 6. Insert the 90 degree bend down through the hole in the servo arm. Install one nylon snap keeper over the wire to secure it to the arm. Install the servo arm retaining screw and remove the masking tape from the aileron.



Repeat the procedure for the other wing half.

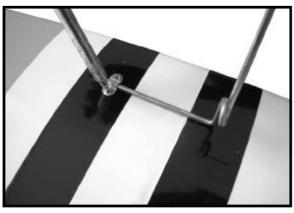
## INSTALLING THE LANDING GREAR.

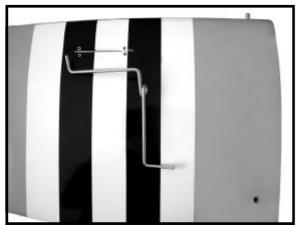




- ☐ 1) Insert the 90° bend of one main gear wire into the predrilled hole in one mounting slot.
- ☐ 2) The landing gear wire is held in place using two nylon landing gear straps and four 3mm x 12mm wood screws.

The straps should be located equal distance from the inside and outside ends of the wire.





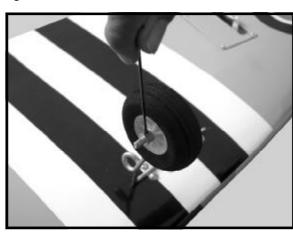
- ☐ 3) Using the two landing gear straps as a guide, mark the locations of the four 3mm x 12mm mounting screws onto the wing surface.
- 4) Remove the two straps and the gear wire. Drill four 1.5mm pilot holes into the wing for the wood screws. Be careful not to drill through the top of the wing!



- ☐ 5) Reinstall the gear wire and install the straps using the four 3mm x 12mm wood screws. Tighten the screws completely to secure the gear wire in place.
- ☐ 6) Slide one wheel collar with 4.3mm x 6mm set screw onto each axle. Push the wheel collars on as far as they will go and tighten the set screws.

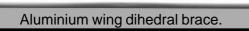
Be careful not to overtighten the set screws. Overtightening may cause the threads to strip.

□ 7) Slide one 60mm diameter wheel onto each axle and push them up against the wheel collars. Slide the remaining wheel collars with 4.3mm x 6mm set screws onto the axles. Push them up against the wheels and tighten the set screws. The wheels should spin free and not bind in any way. If they do bind, loosen the set screws in the outer wheel collars and move the collars out a small amount. Retighten the set screws.

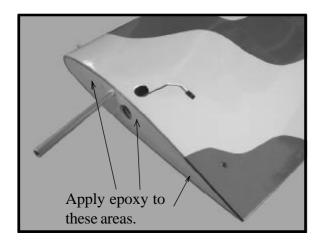


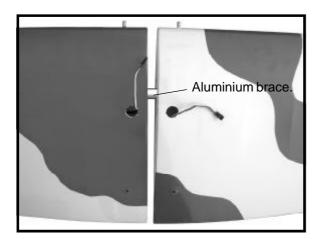
# JOINING THE WING HALVES.

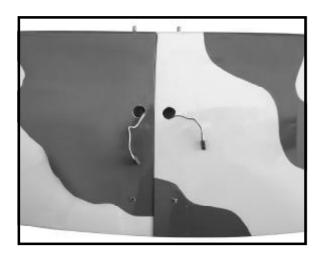
▶ 1) Location the aluminium wing dihedral brace.

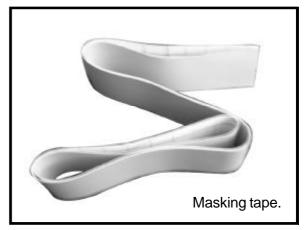


▶ 2) Test fit the dihedral brace into each wing haft. The brace should slide in easily.

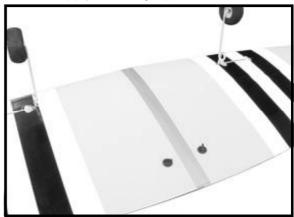








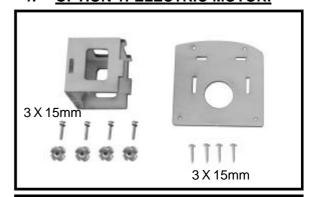
Apply masking tape.

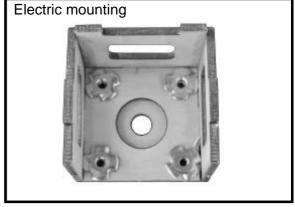


# **INSTALLING THE ENGINE MOUNT.**

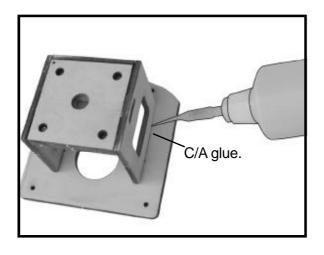
#### THERE ARE TWO OPTIONS:

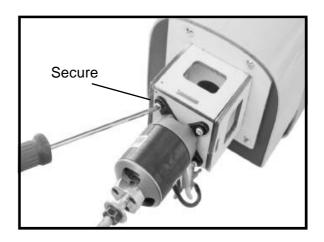
- 1. ELECTRIC MOTOR
- 2. ENGINE MOUNT.
- 1. OPTION 1: ELECTRIC MOTOR.

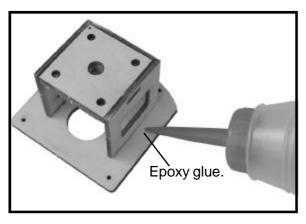




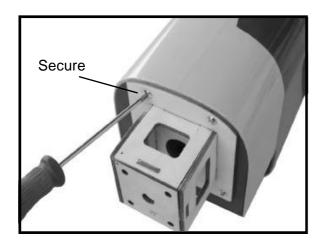
# INSTRUCTION MANUAL.





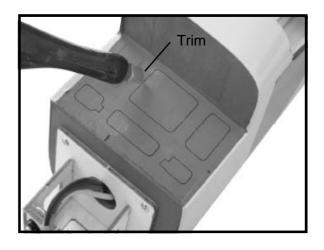






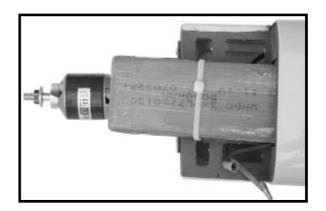


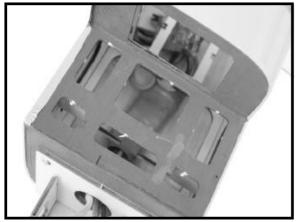


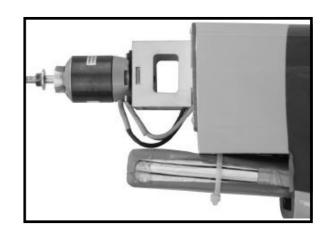


# SPITFIRE 40.

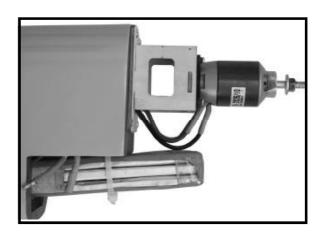


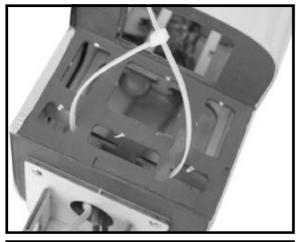


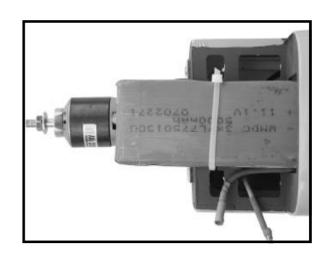


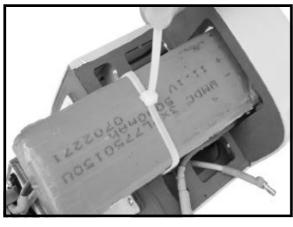




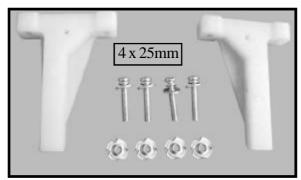








### 2. OPTION 2: ENGINE MOUNT.





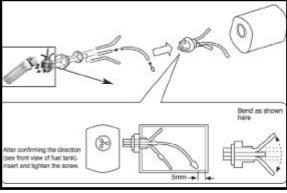
# **FUEL TANK.**

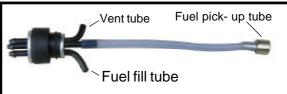
#### **INSTALLING THE STOPPER ASSEMBLY**

- $\ \square$  1. The stopper has been pre-assembled at the factory.
- ☐ 2. Using a modeling knife, cut one length of silicon fuel line (the length of silicon fuel line is calculated by how the weighted clunk should rest about 8mm away from the rear of the tank and move freely inside the tank). Connect one end of the line to the weighted clunk and the other end to the nylon pick up tube in the stopper.
- ☐ 3. Carefully bend the second nylon tube up at a 45 degree angle (using a cigarette lighter). This tube will be the vent tube to the muffler.
- ☐ 4. Carefully bend the third nylon tube down at a 45 degree angle (using a cigarette lighter). This tube will be vent tube to the fueling valve.



When the stopper assembly is installed in the tank, the top of the vent tube should rest just below the top surface of the tank. It should not touch the top of the tank.







- □ 5. Test fit the stopper assembly into the tank. It may be necessary to remove some of the flashing around the tank opening using a modeling knife. If flashing is present, make sure none of it falls into the tank.
- ☐ 6. When satisfied with the alignment of the stopper assembly tighten the 3mm x 20mm machine screw until the rubber stopper expands and seals the tank opening. Do not over tighten the assembly as this could cause the tank to split.
- ☐ 7. Using a modeling knife, cut 3 lengths of fuel line 150mm long. Connect 2 lines to the 2 vent tubes and 1 line to the fuel pickup tube in the stopper.
- □ 8. Feed three lines through the fuel tank compartment and through the pre-drilled hole in the firewall. Pull the lines out from behind the engine, while guiding the fuel tank into

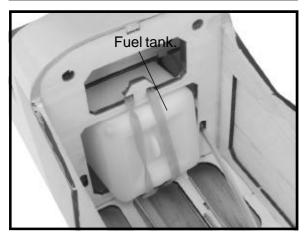
place. Push the fuel tank as far forward as possible, the front of the tank should just about touch the back of the firewall.

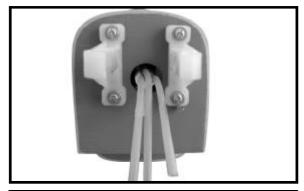
Blow through one of the lines to ensure the fuel lines have not become kinked inside the fuel tank compartment. Air should flow through easily.

□ 9. To secure the fuel tank in place, apply a bead of silicon sealer to the forward area of the tank, where it exits the fuselage behind the engine mounting box and to the rear of the tank at the forward bulkhead.

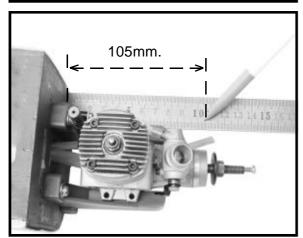
Do not secure the tank into place permanently until after balancing the airplane. You may need to remove the tank to mount the battery in the fuel tank compartment







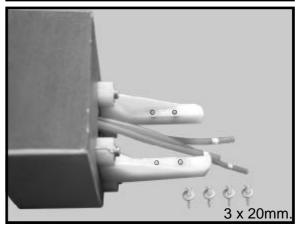
# INSTALLING THE ENGINE-THROTTLE.



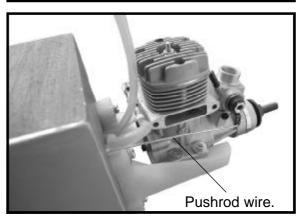
Locate the long piece of wire used for the throttle pushrod. One end of the wire has been pre-bend in to a "Z" bend at the factory. This "Z" bend should be inserted into the throttle arm of the engine when the engine is fitted onto the engine mount. Fit the engine to the engine mount using the screws provided.





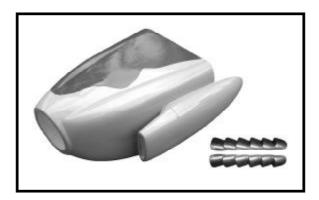


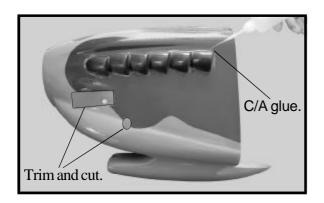


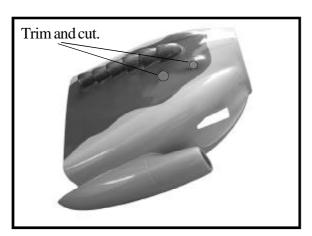


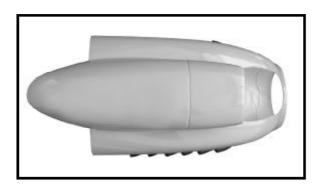
# COWLING.

☐ 1) Slide the fiberglass cowl over the engine and line up the back edge of the cowl with the marks you made on the fuselage.





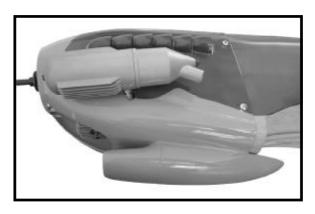




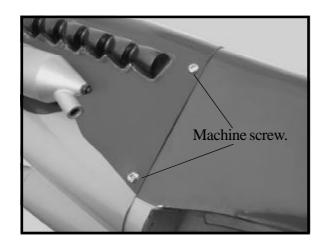
- ☐ 2) While keeping the back edge of the cowl flush with the marks, align the front of the cowl with the crankshaft of the engine. The front of the cowl should be positioned so the crankshaft is in **nearly** the middle of the cowl opening. Hold the cowl firmly in place using pieces of masking tape.
- ☐ 3) Slide the cowl back over the engine and secure it in place using four wood screws. See picture below.



☐ 4) Install the muffler and muffler extension onto the engine and make the cutout in the cowl for muffler clearance. Connect the fuel and pressure lines to the carburetor, muffler and fuel filler valve.

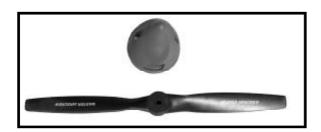




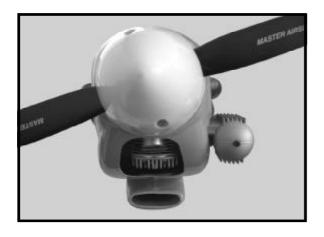


# INSTALLING THE SPINNER.

Install the spinner backplate, propeller and spinner cone. The spinner cone is held in place using two 3mm x 15mm wood screws.



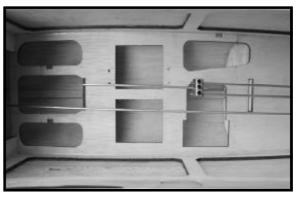




# SERVO INSTALLATION.

See picture below.

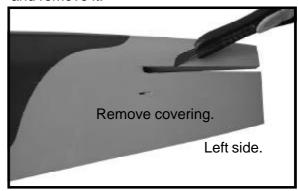






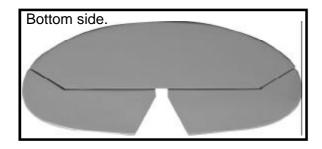
# HORIZONTAL STABILIZER INSTALLATION.

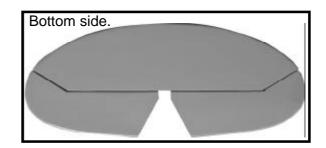
☐ 1. Using a modeling knife, cut away the covering from the fuselage for the stabilizer and remove it.

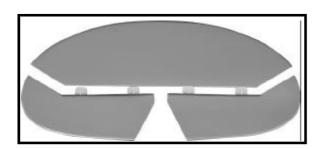


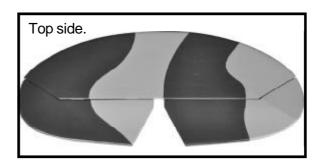
☐ 2) Using a ruler and a pen, locate the centerline of the horizontal stabilizer, at the trailing edge, and place a mark. Use a triangle and extend this mark, from back to front, across the top of the stabilizer. Also extend this mark down the back of the trailing edge of the stabilizer.

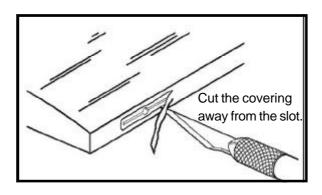
# **INSTRUCTION MANUAL.**

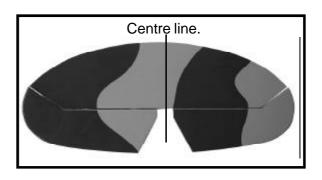


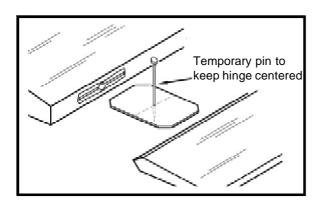




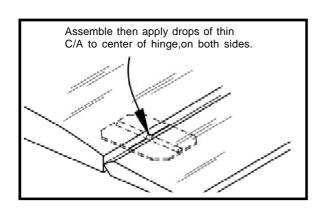


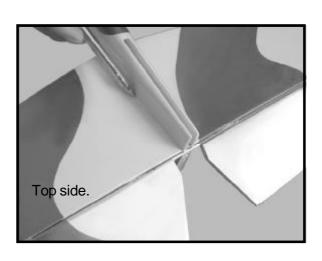


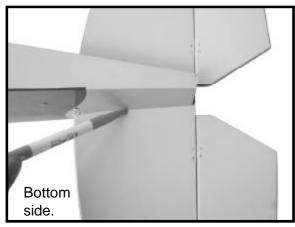




- ☐ 3) Slide the stabilizer into place in the precut slot in the rear of the fuselage. The stabilizer should be pushed firmly against the front of the slot.
- ☐ 4) With the stabilizer held firmly in place, use a pen and draw lines onto the stabilizer where it and the fuselage sides meet. Do this on both the right and left sides and top and bottom of the stabilizer.

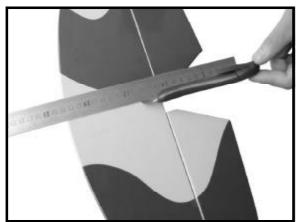


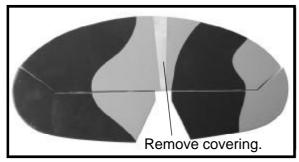




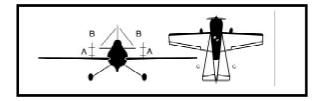
□ 5) Remove the stabilizer. Using the lines you just drew as a guide, carefully remove the covering from between them using a modeling knife.

When cutting through the covering to remove it, cut with only enough pressure to only cut through the covering it's self. Cutting into the balsa structure may weaken it. This could lead to possible failure during flight





☐ 6) Using a modeling knife, carefully remove the covering that overlaps the stabilizer mounting platform sides in the fuselage. Remove the covering from both the top and the bottom of the platform sides.

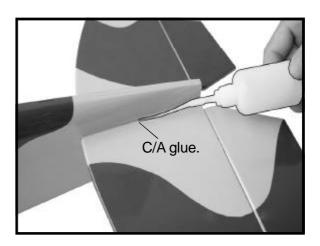


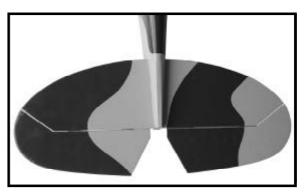
□ 7) When you are sure that everything is aligned correctly, mix up a generous amount of Flash 30 Minute Epoxy. Apply a thin layer to the top and bottom of the stabilizer mounting area and to the stabilizer mounting platform sides in the fuselage. Slide the stabilizer in place and realign. Double check all of your measurements once more before the epoxy cures. Hold the stabilizer in place with T-pins or masking tape and remove any excess epoxy using a paper towel and rubbing alcohol.



□ 8) After the epoxy has fully cured, remove

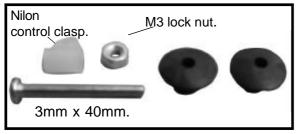
the masking tape or T-pins used to hold the stabilizer in place and carefully inspect the glue joints. Use more epoxy to fill in any gaps that were not filled previously and clean up the excess using a paper towel and rubbing alcohol.





# ELEVATOR CONTROL HORN INSTALLATION.

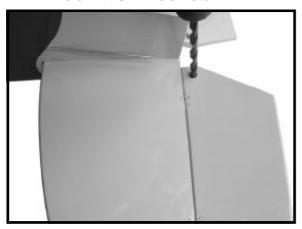
Elevator control horn install as same as the way of aileron control horn. Please see pictures below.



Control horn of elevator.



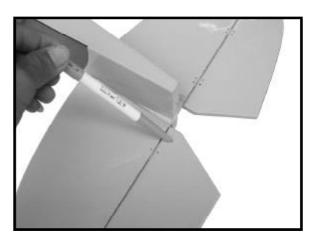
Drill 1 hole with 6 mm diameter.

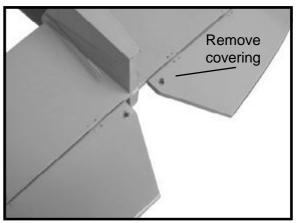


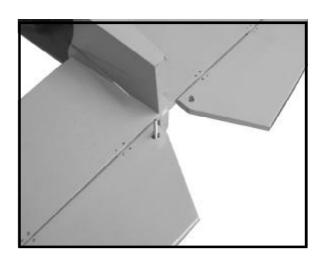


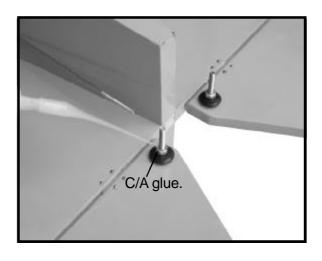


Control horn of elevator.

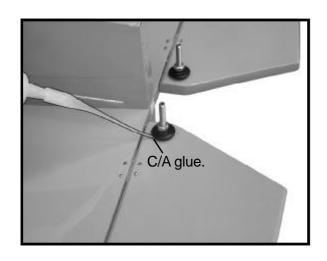


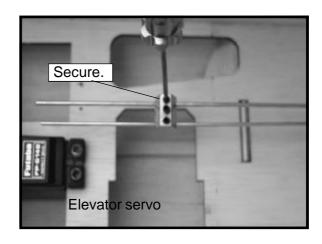


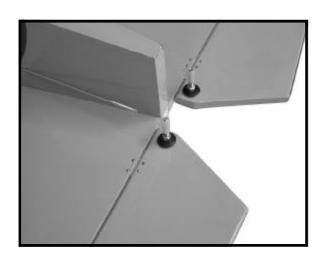


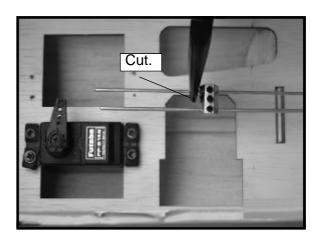


# SPITFIRE 40.



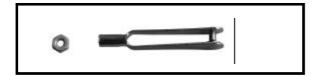


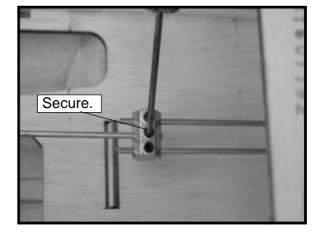


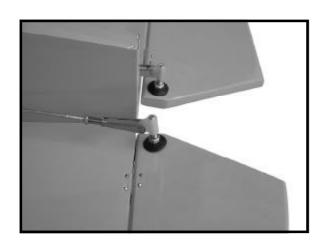


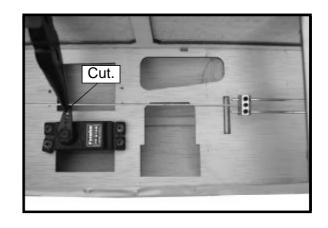
# ELEVATOR PUSHROD INSTALLATION.

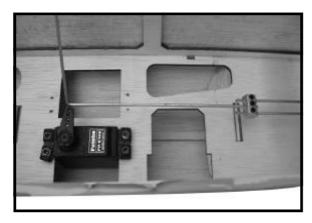
Elevator pushrod install as same as the way of aileron pushrod.



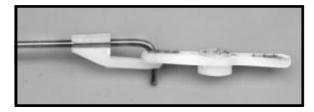


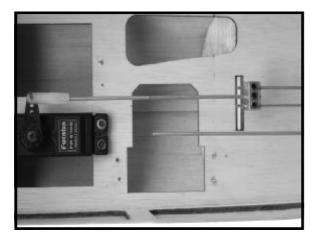






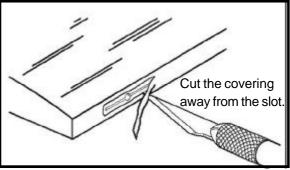


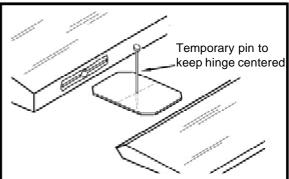


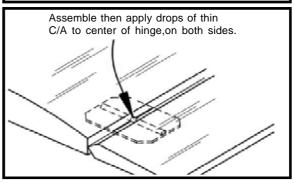


VERTICAL STABILIZER INSTALLATION.



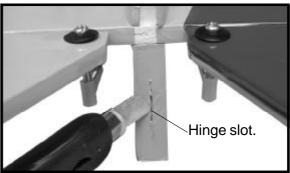


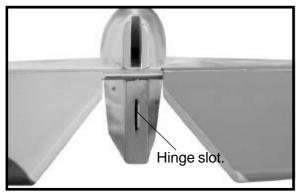




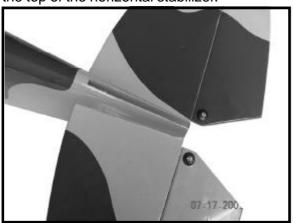


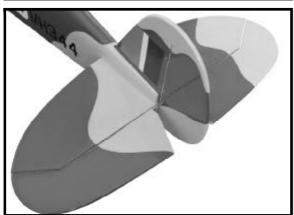
☐ 1) Using a modeling knife, remove the covering from over the precut hinge slot cut into the lower rear portion of the fuselage. This slot accepts the lower rudder hinge.



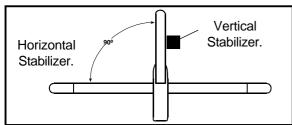


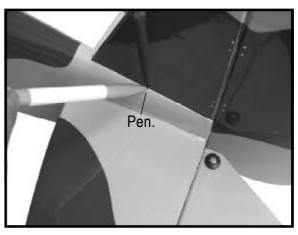
☐ 2) Slide the vertical stabilizer into the slot in the top of the fuselage. The rear edge of the stabilizer should be flush with the rear edge of the fuselage and the lower rudder should engage the precut hinge slot in the lower fuselage. The bottom edge of the stabilizer should also be firmly pushed against the top of the horizontal stabilizer.



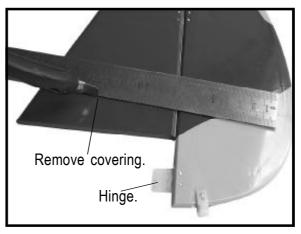


☐ 3) While holding the vertical stabilizer firmly in place, use a pen and draw a line on each side of the vertical stabilizer where it meets the top of the fuselage.

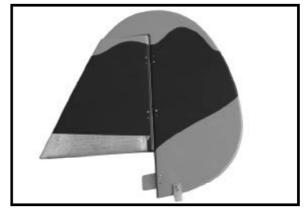




☐ 4) Remove the vertical. Using a modeling knife, remove the covering from below the lines you drew. Also remove the covering from the bottom edge of the stabilizer and the bottom and top edges of the filler block. Leave the covering in place on the sides of the filler block.

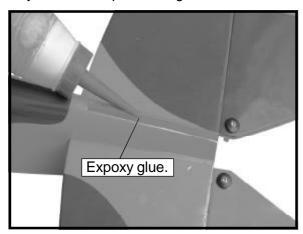


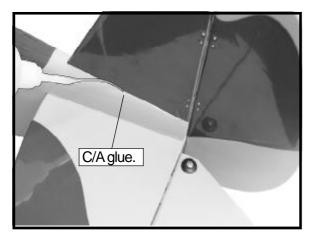
When cutting through the covering to remove it, cut with only enough pressure to only cut through the covering itself. Cutting into the balsa structure may weaken it.



☐ 5) Slide the vertical stabilizer back in place. Using a triangle, check to ensure that the vertical stabilizer is aligned 90° to the horizontal stabilizer.

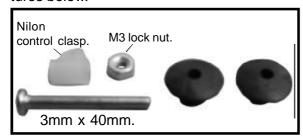
☐ 6) When you are sure that everything is aligned correctly, mix up a generous amount of Flash 30 Minute Epoxy. Apply a thin layer to the mounting slot in the top of the fuselage and to the sides and bottom of the vertical stabilizer mounting area. Apply epoxy to the bottom and top edges of the filler block and to the lower hinge also. Set the stabilizer in place and realign. Double check all of your measurements once more before the epoxy cures. Hold the stabilizer in place with T-pins or masking tape and remove any excess epoxy using a paper towel and rubbing alcohol. Allow the epoxy to fully cure before proceeding.



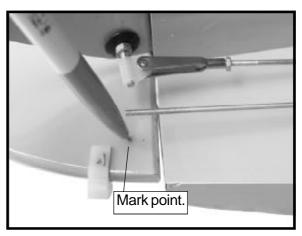


# RUDDER CONTROL HORN INSTALLATION.

Rudder control horn install as same as the way of aileron control horn. Please see pictures below.



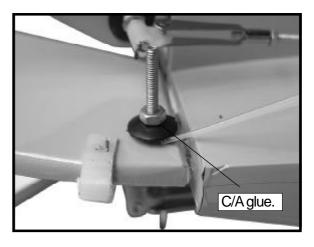
CONTROL HORN OF RUDDER.

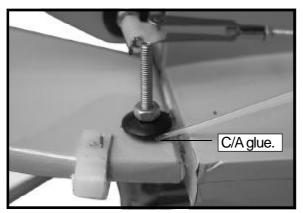


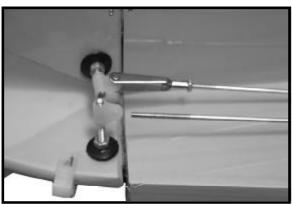
Drill 6mm diameter a hole of the mounting rudder control horn on to the rudder.

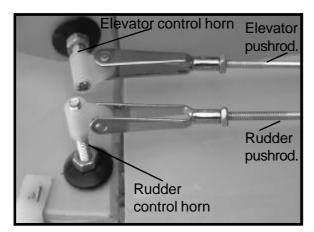








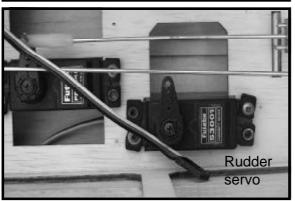


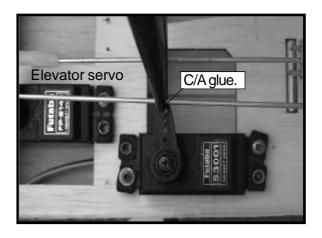


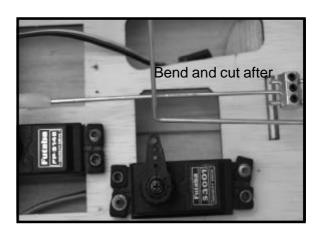
# RUDDER PUSHROD INSTALLATION.

Rudder pushrod install as same as the way of aileron pushrod.

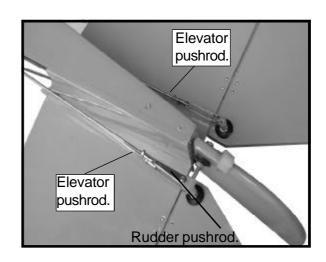






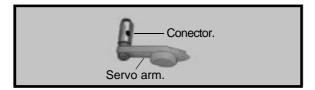




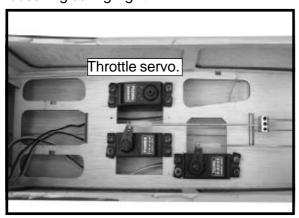


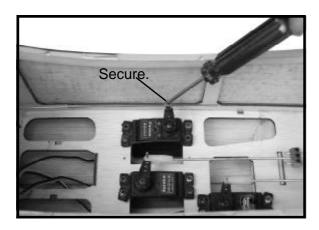
# INSTALLING THE THROTTLE PUSHROD.

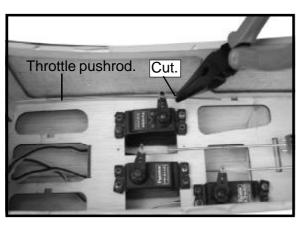
Install one adjustable metal connector through the third hole out from the center of one servo arm, enlarge the hole in the servo arm using a 2mm drill bit to accommodate the servo connector. Remove the excess material from the arm.



After installing the adjustable metal connector apply a small drop of thin C/A to the bottom nut. This will prevent the connector from loosening during flight.



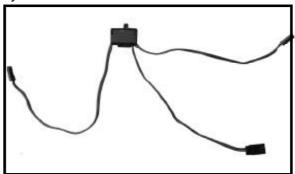


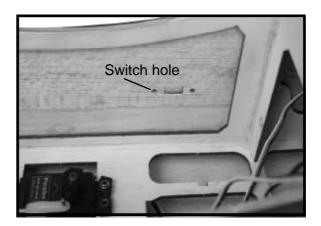


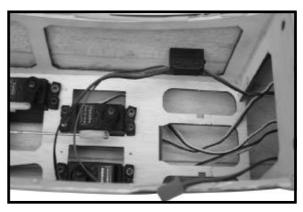
# INSTALLING THE SWITCH.

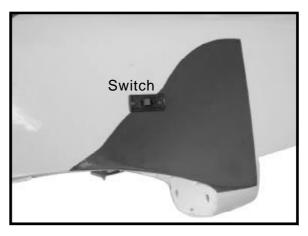
☐ 1) Cut out the switch hole using a modeling knife. Use a 2mm drill bit and drill out the two mounting holes through the fuselage side.

☐ 2) Secure the switch in place using the two machine screws provided with the radio system.







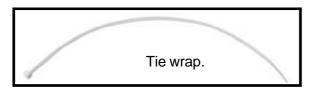


# INSTALLING THE RECEIVER AND BATTERY.

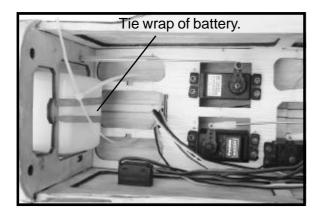
- ☐ 1. Plug the servo leads and the switch lead into the receiver. You may want to plug an aileron extension into the receiver to make plugging in the aileron servo lead easier when you are installing the wing. Plug the battery pack lead into the switch.
- ☐ 2. Wrap the receiver and battery pack in the protective foam to protect them from vibration. Use a rubber band or masking tape to hold the foam in place.
- ☐ 3. Position the battery pack and receiver behind the fuel tank. Use sing to two tie wraps to hold the battery and receiver securely in place as picture below.

Do not permanently secure the receiver and battery until after balancing the model.

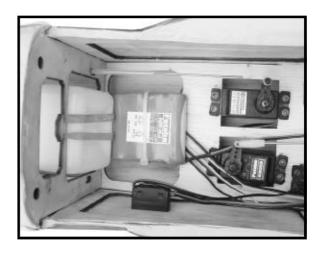
☐ 4. Using a 2mm drill bit, drill a hole through the side of the fuselage, near the receiver, for the antenna to exit.

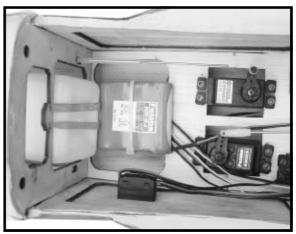


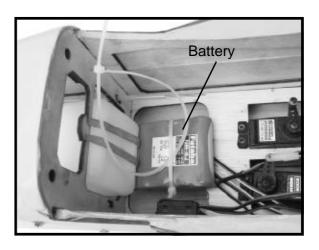


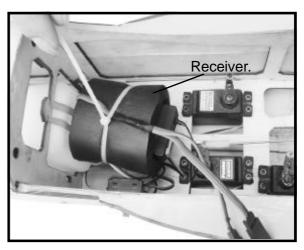


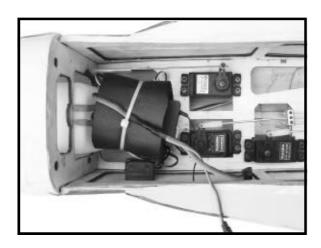






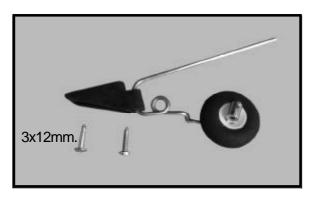






# MOUNTING THE TAIL WHEEL BRACKET.

☐ 1. Set the tail wheel assembly in place on the plywood plate. The pivot point of the tail wheel wire should be even with the rudder hinge line and the tail wheel bracket should be centered on the plywood plate.



☐ 2. Using a pen, mark the locations of the two mounting screws. Remove the tail wheel bracket and drill 1mm pilot holes at the locations marked.



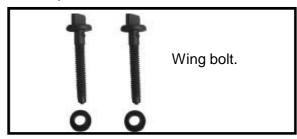
 $\square$  3. Secure the tail wheel bracket in place using three 3mm x 12mm wood screws. Be careful not to overtighten the screws.

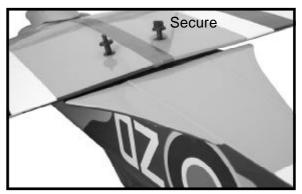


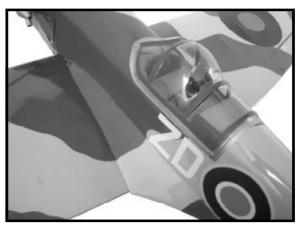


# WING ATTACHMENT.

See pictures below:







#### BALANCING.

☐ 1) It is critical that your airplane be balanced correctly. Improper balance will cause your plane to lose control and crash.

THE CENTER OF GRAVITY IS LOCATED **90MM** BACK FROM THE LEADING EDGE OF THE WING.

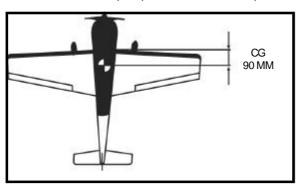
- ☐ 2) Mount the wing to the fuselage. Using a couple of pieces of masking tape, place them on the top side of the wing **90mm** back from the leading edge, at the fuselage sides.
- ☐ 3. Turn the airplane upside down. Place your fingers on the masking tape and carefully lift the plane.

Accurately mark the balance point on the top of the wing on both sides of the fuselage. The balance point is located **90mm** back from the leading edge. This is the balance point at which your model should balance for your first flights. Later, you may wish to experiment by shifting the balance up to 10mm forward or back to change the flying characteristics. Moving the balance forward may improve the smoothness and arrow-like tracking, but it may then require more speed for take off and make it more difficult to slow down for landing. Moving the balance aft makes the model more agile with a lighter and snappier "feel". In any case, please start at the location we recommend.

With the wing attached to the fuselage, all parts of the model installed (ready to fly), and empty fuel tanks, hold the model at the marked balance point with the stabilizer level.

Lift the model. If the tail drops when you lift, the model is "tail heavy" and you must add weigh\* to the nose. If the nose drops, it is "nose heavy" and you must add weight\* to the tail to balance.

\*If possible, first attempt to balance the model by changing the position of the receiver battery and receiver. If you are unable to obtain good balance by doing so, then it will be necessary to add weight to the nose or tail to achieve the proper balance point.



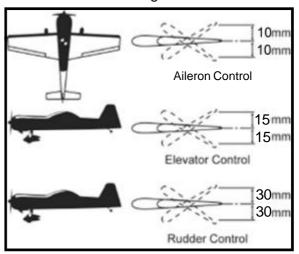
## **CONTROL THROWS.**

- ☐ 1. We highly recommend setting up a plane using the control throws listed.
- □ 2. The control throws should be measured at the widest point of each control surface.
- ☐ 3. Check to be sure the control surfaces move in the correct directions.

Ailerons: 10mm up 10mm down

Elevator: 15mm up 15mm down

Rudder: 30mm right 30mm left



#### PRE-FLIGHT CHECK.

- ☐ 1. Completely charge your transmitter and receiver batteries before your first day of flying.
- ☐ 2. Check every bolt and every glue joint in your plane to ensure that everything is tight and well bonded.
- $\square$  3. Double check the balance of the airplane.
- □ 4. Check the control surface.
- $\ \square$  5. Check the receiver antenna . It should be fully extended and not coiled up inside the fuselage.
- ☐ 6. Properly balance the propeller.

We wish you many safe and enjoyable flights with your SPITFIRE 40.